

# FEDERAL INSTITUTE OF INDUSTRIAL PROPERTY

Selected databases
Query parameters
Query definition
Refine query
Query results
Basket
Saved queries
Statistics
Help
Proposals
Exit

Status	has terminated
(11) Number of the patent document	2144498
(13) Kind of document	C1
(14) Document date	2000.01.20
(19) Publishing country or organization	RU
(21) Application number	99102010/12
(22) Application filing date	1999.02.01
(24) Date of rights	1999.02.01
(46) Documents claims only available	2000.01.20
(516) Edition of IPC	7
(51) Main classification IPC	C01B33/12
(51) Main classification IPC	C01B31/02
(51) Main classification IPC	C09C1/48
Title	СПОСОБ ПОЛУЧЕНИЯ ВЫСОКОЧИСТЫХ АМОРФНЫХ ДИОКСИДА КРЕМНИЯ И УГЛЕРОДА ИЗ РИСОВОЙ ШЕЛУХИ
(56) List of prior art documents	RU 2061656 C1, 10.06.1996. RU 94031518 A1, 10.07.1996. SU 1699918 A1, 23.12.1991. GB 1532398 A, 15.11.1978. FR 2356595 A1, 03.03.1978.
(71) Applicant information	Земнухова Людмила Алексеевна 
(71) Applicant information	Виноградов Виктор Владимирович 
(71) Applicant information	Былков Александр Александрович 
(71) Applicant information	Виноградов Дмитрий Викторович 
(72) Inventor information	Земнухова Л.А.
(72) Inventor information	Виноградов В.В.
(72) Inventor information	Былков А.А.
(72) Inventor information	Виноградов Д.В.
(73) Grantee (asignee) information	Земнухова Людмила Алексеевна

DOCUMENT  
to the beginning  
to the end  
print  
TERMS  
previous  
next

Query

(73) Grantee (asignee) information **Виноградов Виктор Владимирович**

Query

(73) Grantee (asignee) information **Былков Александр Александрович**

Query

(73) Grantee (asignee) information **Виноградов Дмитрий Викторович**

Query

(98) Mail address **680042, Хабаровск, ул.Известковая,  
д.33, кв.32, Виноградову В.В.**

Abstract

BEST AVAILABLE COPY

Invention relates to the production of the amorphous dioxide of silicon. The essence of invention consists in the fact that the rice husk is subjected to acidic etching, to washing by water, to drying, to precombustion in the closed reactor with the sucking of smoke and the catching of amorphous carbon, to grinding and to oxidizing combustion consecutively/serially in the flow of air and oxygen, moreover they conduct precombustion simultaneously with the grinding and the mixing, the sucking of smoke they conduct through the cooled labyrinth filter and the water and/or zeolite, or another adsorbent, oxidizing combustion they conduct first in the air flow before the disappearance of the visible process of combustion, and then in the current of oxygen during 20 - 60 min during a constant mixing. On the invention are obtained amorphous dioxide of silicon with cleanliness 99 - 99,99% and soot with cleanliness 98%, in this case the ecological cleanliness of process and the profitableness of the use of a rice husk rise.3 z.p. of formula, 1 tables.